

IN THE CLAIMS:

A status of all the claims of the present Application is presented below:

Claims 1-5 (Canceled)

6. (Currently amended) A remote controlled barrier opening and closing system comprising:

a radio frequency transmitter for remotely communicating with a receiver which is operable to selectively cause the opening or closing of the barrier;

said radio frequency transmitter being representative of a set of transmitters adapted for communication only with a receiver of a designated manufacturer and having associated therewith an identifying code unique to that transmitter and means for generating a multi-bit changeable hopping code, the hopping code being generated by a non-linear function responsive to a plurality of input parameters,

said receiver of said designated manufacturer with which said transmitter communicates being operable between a program mode and an operate mode, said receiver comprising;

(i) a memory having discrete locations for storing information associated with a transmitter of said set, and

(ii) processing circuitry within said receiver of said designated manufacturer storing, during the program mode, transmitter information corresponding to a transmitter, ~~randomly~~ in an unused discrete memory location, or if all said discrete memory locations are used, then by ~~randomly~~ replacing the information stored in one of the used, discrete memory locations with said new information.

7. (Canceled)

8. (New) The remote controlled barrier opening and closing system of claim 6, wherein the input parameters include a multi-bit secret key.

9. (New) The remote controlled barrier opening and closing system of claim 6, wherein the input parameters include a synchronization value that changes each time a button of the transmitter is pressed.

10. (New) The remote controlled barrier opening and closing system of claim 6, wherein the input parameters include a check value.

11. (New) The remote controlled barrier opening and closing system of claim 6, wherein the input parameters include a button value.

12. (New) The remote controlled barrier opening and closing system of claim 6, wherein the non-linear function changes the hopping code responsive to the changing synchronization value.